

## ABSTRACT

The present invention provides a chimeric protein IX (pIX). The chimeric pIX protein has an adenoviral pIX domain and also a non-native amino acid. Where the non-native amino acid is a ligand that binds to a substrate present on the surface cells, the chimeric pIX can be used to target vectors containing such proteins to desired cell types. Thus, the invention provides vector systems including such chimeric pIX proteins as well as methods of infecting cells using such vector systems.

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